

## **Feature Availability**

### **Overview**

The Feature Availability Inquiry will allow a customer to obtain a list of features available for a given switch, where the customer specifies a specific CLLI on the inquiry. In situations where a central office is serviced by more than one switch, and the customer specifies a NPANXX, a list of features for all switches in that central office will be returned. This transaction will return the code and description for each feature.

This transaction is handled on a real-time basis. Communications between the Telecommunications Carrier and Ameritech is based on EDI message formats.

- Customers will submit an EDI 850 Feature Availability request.
- Customers will receive an EDI 855 Feature Availability response
- The EDI 850 and 855 transactions will be based on EDI ASCX12 version 003072.

# Preordering Feature Availability

ESO Guide

February 3, 2000

AIIS

## Transaction Layouts

### 850 Purchase Order – Feature Availability

Functional Group ID=**PO**

#### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

#### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		
Must Use	150	DTM	Date/Time Reference	M	1		
Must Use	185	SI	Service Characteristic Identification	M	1		
LOOP ID – N1							1
Must Use	310	N1	Service Requestor	M	1		

#### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID – PO1							1
Must Use	010	PO1	Baseline Item Data	M	1		n1

#### Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID – CTT							1
Must Use	010	CTT	Transaction Totals	M	1		n2
Must Use	030	SE	Transaction Set Trailer	M	1		

#### Transaction Set Notes:

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments

**Segment:** **ST Transaction Set Header**  
**Position:** 010  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 850 X12.1 Purchase Order	M ID 3/3
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Must match value in SE02	M AN 4/9

**Segment:** **BEG** Beginning Segment for Purchase Order  
**Position:** 020  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**  
**Semantic Notes:** 1 BEG05 is the date assigned by the purchaser to purchase order.  
**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BEG01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 28 Query	M ID 2/2
Must Use	BEG02	92	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order IN Information copy	M ID 2/2
Must Use	BEG03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
Must Use	BEG05	373	<b>Purchase Order Date</b> Date expressed as CCYYMMDD	M DT 8/8
Must Use	BEG07	587	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment AE Acknowledge – with exception detail only	M ID 2/2

**Segment:** **DTM** Date/Time Reference  
**Position:** 150  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 097 Transaction creation date/time Date/time transaction sent	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD Transaction creation date	<b>M DT 8/8</b>
<b>Must Use</b>	<b>DTM03</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as HHMM, where H = hours (00-23), M = minutes (00-59). Transaction creation time	<b>M TM 4/8</b>

**Segment:** **SI Service Characteristic Identification**  
**Position:** 185  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.  
**Notes:** If either Data Element 1000 or 234 is present, then the other is required.  
 If either qualifier IQ or IR is present, then the other is required.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics IQ Code for inquiry type	M AN 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/1
			If SI02 = IQ C/Feature Availability Inquiry	
Must Use	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics IR Code for inquiry activity	M AN 2/2
Must Use	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/1
			If SI04 = IR A/New inquiry	

<b>Must Use</b>	<b>SI06</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics LA Code for inquiry activity	<b>M</b>	<b>AN 2/2</b>
<b>Must Use</b>	<b>SI07</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>M</b>	<b>AN 2/2</b>
If SI06 = LA State Code IL, IN, MI, OH, WI					
<b>Must Use</b>	<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics LS Code for Local Serving Office (LSO) LO Code for Local Exchange Carrier Serving Office Code (LST)	<b>M</b>	<b>AN 2/2</b>
<b>Must Use</b>	<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>M</b>	<b>AN 6/11</b>
If SI08 = LS NPANXX					
If SI08 = LO Common Location Language Identifier					



**Segment:** **N1** Name  
**Position:** 310  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual 78 Service requestor	<b>M ID 2/3</b>
<b>Must Use</b>	<b>N102</b>	<b>93</b>	<b>Name</b> Free-form name CCNA Customer Carrier Name Abreviation	<b>M AN 1/35</b>

**Segment:** **PO1 Baseline Item Data**  
**Position:** 010  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Syntax Notes:** 1. If PO103 is present, then PO102 is required  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>PO101</b>	<b>350</b>	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set. Must be equal to 1, do not use 0.	<b>M AN 1/3</b>
<b><u>Must Use</u></b>	<b>PO102</b>	<b>330</b>	<b>Quantity Ordered</b> Quantity ordered Presently, always 1	<b>M R 1/1</b>
<b><u>Must Use</u></b>	<b>PO103</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. EA Each	<b>M ID 2/2</b>

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Must match value in ST02	M AN 4/9

## 855 Purchase Order Acknowledgment – Feature Availability

Functional Group ID=**PR**

### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

This transaction set is used by Ameritech to acknowledge and confirm an order received from a customer via the 850 transaction set. Only segments used by AIIS are listed.

### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
Must Use	150	DTM	Date/Time Reference	M	1		
Must Use	185	SI	Service Characteristic Identification	M	1		

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - PO1			1	
Must Use	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1	
	050	PID	Product/Item Description	C	1		
			LOOP ID - SLN			86	
	490	SLN	Subline Item Detail	C	1		
	500	SI	Service Characteristic Identification	C	1		
			LOOP ID - ACK			1	
Must Use	270	ACK	Line Item Acknowledgment	M	1		

**Summary:**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max.Use</b>	<b>Loop Repeat</b>	<b>Notes and Comments</b>
			LOOP ID - CTT			1	
Must Use	010	CTT	Transaction Totals	M	1		n2
Must Use	030	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 855 X12.9 Purchase Order Acknowledgment	M ID 3/3
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Must match value in SE02	M AN 4/9

**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Position:** 020  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**

**Semantic Notes:** 1 BAK04 is the date assigned by the purchaser to purchase order.

**Comments:****Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>BAK01</b>	<b>353</b>	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 11 Response	<b>M ID 2/2</b>
<b>Must Use</b>	<b>BAK02</b>	<b>587</b>	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment AE Acknowledge with exceptions RD Reject with detail	<b>M ID 2/2</b>
<b>Must Use</b>	<b>BAK03</b>	<b>324</b>	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	<b>M AN 1/22</b>
<b>Must Use</b>	<b>BAK04</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD	<b>M DT 8/8</b>

**Segment:** **DTM** Date/Time Reference  
**Position:** 150  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 097 Transaction creation date/time Date/time transaction sent	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD Transaction creation date	<b>M DT 8/8</b>
<b>Must Use</b>	<b>DTM03</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59) Transaction creation time	<b>M TM 4/8</b>



**Segment:** **SI Service Characteristic Identification**  
**Position:** 185  
**Loop:**  
**Level:** Heading:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

- 1 If either Data Element 1000 or 234 is present, then the other is required.  
If either qualifier IQ or IR is present, then the other is required.
- 2 SI01 defines the source for each of the service characteristics qualifiers.

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics IQ Code for inquiry type	M AN 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/1
			If SI02 = IQ C/Feature Availability Inquiry	
Must Use	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics SB Code for switch type	C AN 2/2
Must Use	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	C AN 1/1
			If SI04 = SB Switch Type	

**Segment:** **PO1** **Baseline Item Data**  
**Position:** 010  
**Loop:** PO1 Mandatory  
**Level:** Detail:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Syntax Notes:** 1 If PO103 is present, then PO102 is required.  
**Semantic Notes:**  
**Comments:** 1 PO101 is the line item identification.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set Presently, always 1	M AN 1/1
Must Use	PO102	330	<b>Quantity Ordered</b> Quantity ordered Presently, always 1	M R 1/1
Must Use	PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2

**Segment:** **PID Product/Item Description**  
**Position:** 050  
**Loop:** PID Conditional  
**Level:** Detail:  
**Usage:** Conditional  
**Max Use:** 1  
**Purpose:** To describe a product or process in coded or free form format  
**Syntax Notes:**  
**Semantic Notes:** 1 Use PID03 to indicate the organization that publishes the code list being referred to.  
**Comments:** 1 This segment will only be returned in case of an error.

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b> Code indicating the format of a description F Semi Structured Code & Text (from industry code list)	<b>M ID 1/1</b>
<b>Must Use</b>	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications industry	<b>M ID 2/2</b>
<b>Must Use</b>	<b>PID05</b>	<b>352</b>	<b>Description</b> Free Form Description of the Error	<b>C AN 1/80</b>

<b>Segment:</b>	<b>SLN Subline Item Detail</b>
<b>Position:</b>	490
<b>Loop:</b>	SLN Conditional
<b>Level:</b>	Detail:
<b>Usage:</b>	Conditional
<b>Max Use:</b>	
<b>Purpose:</b>	To specify product subline detail item data
<b>Syntax Notes:</b>	1 If either SLN04 or SLN05 is present, then the other is required.
<b>Semantic Notes:</b>	1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
<b>Comments:</b>	

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set Same value as line item PO101	M AN 1/1
Must Use	SLN02	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set Numeric character identifying action number, i.e., 1/First action 2/Second action 3/Third action ...27/Twenty-seventh action ...53/Fifty-third action	M AN 1/2
Must Use	SLN03	662	<b>Relationship Code</b> Code indicating the relationship between entities A Added	M ID 1/1
Must Use	SLN04	380	<b>Quantity</b> Numeric value of quantity Always 1	M R 1/1
Must Use	SLN05	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2

**Segment:** **SI Service Characteristic Identification**  
**Position:** 500  
**Loop:** SLN Conditional  
**Level:** Detail:  
**Usage:** Conditional  
**Max Use:** 1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

- 1 If either Data Element 1000 or 234 is present, then the other is required.  
If either qualifier IQ or IR is present, then the other is required.
- 2 SI01 defines the source for each of the service characteristics qualifiers.

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics SF Switch feature	M AN 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/48
			If SI02 = SF Switch Feature	
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics FD Feature Data	C AN 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	C AN 1/48
			If SI04 = FD Feature Description	

**Segment:** **ACK** Line Item Acknowledgment  
**Position:** 270  
**Loop:** ACK Mandatory  
**Level:** Detail:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ACK01	668	Line Item Status Code	M ID 2/2
			Code specifying the action taken by the seller on a line item requested by the buyer	
			IA	Item accepted
			IR	Item rejected

**Segment:** **CTT Transaction Totals**  
**Position:** 010  
**Loop:** CTT Mandatory  
**Level:** Summary:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>M N0 1/10</b>
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Must match value in ST02	<b>M AN 4/9</b>



## FAV Error Messages

### Error Message

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FAVD100 - MISSING OR INVALID INPUT DATA: Missing Receiver ID in ISA segment.  
FAVD101 - MISSING OR INVALID INPUT DATA: Missing Sender ID in ISA segment.  
FAVD102 - MISSING OR INVALID INPUT DATA: Missing Control Number in ISA segment.  
FAVD103 - MISSING OR INVALID INPUT DATA: Missing Standard ID Number in ISA segment  
FAVD104 - MISSING OR INVALID INPUT DATA: Missing Test Indicator in ISA segment  
FAVD105 - MISSING OR INVALID INPUT DATA: Missing Version Number in ISA segment.  
FAVD106 - MISSING OR INVALID INPUT DATA: Missing Component Element Separator in ISA segment  
FAVD107: MISSING OR INVALID INPUT DATA: SI03 – LSO OR SCO  
FAVD108: MISSING OR INVALID INPUT DATA: SI02 – SCO

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FAVI300: Service Not Available

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FAVS200: SYSTEM ERROR. PLEASE TRY AGAIN.  
FAVS201: SYSTEM ERROR. PLEASE TRY AGAIN.  
FAVS202: SYSTEM ERROR. PLEASE TRY AGAIN.  
FAVS203: SYSTEM ERROR. PLEASE TRY AGAIN.

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FAVE001: INVALID EDI FORMAT: Seg <text> Fld 0:unrecognized input segment id <id>  
FAVE002: INVALID EDI FORMAT: Mandatory segment <segment> not found  
FAVE003: INVALID EDI FORMAT: Mandatory element <number> not found in <segment> segment.  
FAVE004: INVALID EDI FORMAT: segment <segment> element <number> data too short <string>  
FAVE005: INVALID EDI FORMAT: segment <segment> element <number> data too long <string>  
FAVE006: INVALID EDI FORMAT: segment <segment> element <number> data incorrect <string>  
FAVE007: INVALID EDI FORMAT: segment <segment> element <number> data is empty <string>  
FAVE008: INVALID EDI FORMAT: segment <segment> element <number> data should be empty <string>  
FAVE009: INVALID EDI FORMAT: segment <segment> element <number> data should not be on list: <string>  
FAVE010: INVALID EDI FORMAT: segment <segment> element <number> data unknown <string>  
FAVE011: INVALID EDI FORMAT: Mandatory segment SE not found!  
FAVE012: INVALID EDI FORMAT: incorrect SE01 segment count <number>

## Feature Availability Inquiry

### Ameritech 850 Feature Availability Preordering Inquiry Specification

Based on the Service Order Sub-Committee EDI matrix and the Local Service Ordering Guidelines from OBF

FIELD	Description	H / D	Valid Values	Attributes	Qualifying Data Element and Value	EDI Data Element	U S E	Ordering Rule
CCNA	Customer Carrier Name Abbreviation	H		3/A	N101 = 78	N102	R	78 = Service Requestor
INQNUM	Inquiry Number	H		16/AN	BEG01 = 28 BEG02 = IN	BEG03	R	28 = Code for query IN = Code for Information Copy
D/TSENT	Date and Time Sent	H	Date: CCYYMMDD Time: HHMM	17/AN	DTM01=097	Date: DTM02 Time: DTM03	R	Time is optional. Date and Time are based on sender's time (application time) DTM02 = Date DTM03= Time in 24 hr. format
TXTYP	Transaction Type	H	C	1/A	SI02 = IQ	SI03	R	IQ = Inquiry Type C = Feature Availability Inquiry
INQACT	Inquiry Activity	H	A	1/A	SI04 = IR	SI05	R	IR = Inquiry Activity A = New Inquiry
ST	State	H	IL, IN, MI, OH, WI	2/A	SI06 = LA	SI07	R	Terminating Location State  LA = code to identify a geographic region
NPANXX	Number Plan Area and Prefix	H	CLEC Defined	6/AN	SI08 = LS	SI09	C	Required to inquire by NPANXX or NPANNN.  Prohibited when CLLI is provided.  LS = Local Serving Office (LSO)
CLLI	Common Language Location Identifier	H	CLEC Defined	11/AN	SI10 = LO	SI11	C	Required to inquire by CLLI.  Prohibited when NPANXX is provided.  LO = Local Exchange Carrier Serving Office Code (LST)

## Feature Availability Response

### Ameritech 855 Feature Preordering Response Specification

Based on the Service Order Sub-Committee EDI matrix and the Local Service Ordering Guidelines from OBF

FIELD	Description	H / D / S	Valid Values	Attributes	Qualifying Data Element and Value	EDI Data Element	U S E	Ordering Rule
INQNUM	Inquiry Number	H	CLEC Defined	16/AN	BAK01 = 11 BAK02 = AE or RD	BAK03	R	11 = Code for response  AE = Code for Acknowledge with Exceptions RD = Reject with detail
TXTYP	Transaction Type	H	C	1/A	SI02 = IQ	SI03	R	IQ = Inquiry Type C = Feature Availability Inquiry
D/TSNT	Date and Time Sent	H	Date: CCYYMMDD Time: HHMM	17/AN	DTM01=097	Date: DTM02 Time: DTM03	R	Time is optional. Date and Time are based on sender's time (application time) DTM02 = Date DTM03= Time in 24 hr. format
SWITCH TYPE	Switch Type	D		8/AN	SI02 = SB	SI03	C	Returned when CLLI or NPANXX is provided on inquiry
FEATURE	Feature Code	S		5/AN	SI02 = SF	SI03	C	Returned when Feature(s) exist for the switch specified in request.  Ameritech may return multiple Feature and Feature Description pairs as there are features for the request.
FEATURE DESCRIPTI ON	Feature Description	S		48/AN	SI04 = FD	SI05	C	Returned when Feature possesses an associated description and ACK01 = IA.  FD = Feature Data
ERRCODE		D	Ameritech Defined	80/AN	PID01 = F	PID05	C	Returned when an error is encountered in processing the request.  Required if ACK01 = IR
ACK		D	IA IR	2/AN		ACK01	R	IR = Rejected item IA = Accepted item

## Segment Sequence

### Feature Availability Inquiry

ST\*850\*0001  
BEG\*28\*IN\**INQNUM*\*\*PO DATE\*\*AE  
DTM\*097\*D/TSENT{CCYYMMDD}\*D/T SENT{HHMM}  
SI\*TI\*IQ\*TXTP\*IR\**INQACT*\*LA\*ST\*LS\*NPANXX\*LO\*CLLI  
N1\*78\*CCNA  
PO1\*1\*1\*EA  
CTT\*1  
SE\*nn\*0001 (nn: calculated number of segments)

### Feature Availability Response

ST\*855\*0001  
BAK\*11\*AE\**INQNUM*\*PO DATE (accepted transactions only)  
BAK\*11\*RD\**INQNUM*\*PO DATE (rejected transactions only)  
DTM\*097\*D/TSENT{CCYYMMDD}\*D/T SENT{HHMM}  
SI\*TI\*IQ\*TXTP  
PO1\*1\*1\*EA  
SI\*SB\*SWITCH TYPE  
PID\*F\*\*\*\*\*ERRCODE  
SLN\*1\*1\*A\*1\*EA  
SI\*TI\*SF\*FEATURE\*FD\*FEATURE DESCRIPTION  
ACK\*ACK  
CTT\*n (n: number of lines in transaction set)  
SE\*nn\*0001 (nn: calculated number of segments)